1
SEQUENCE LISTING

(1)   GENERAL INFORMATION:
    (i)   APPLICANT: Yehuda G. Assaraf et al.
    (ii) TITLE OF INVENTION: METHOD OF AND KIT FOR ASSESSING
                                   RESPONSIVENESS OF CANCER PATIENTS TO
                                   ANTIFOLATE CHEMOTHERAPY
    (iii) NUMBER OF SEQUENCES: 20
    (iv) CORRESPONDENCE ADDRESS:
        (A)   ADDRESSEE: G. E. Ehrlich (1995) Ltd. c/o Anthony Castorina
        (B)   STREET: 2001 Jefferson Davis Highway, Suite 207
        (C)   CITY: Arlington
        (D)   STATE: Virginia
        (E)   COUNTRY: United States of America
        (F)   ZIP: 22202
    (v)   COMPUTER READABLE FORM:
        (A)   MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
        (B)   COMPUTER: Twinhead* Slimnote-890TX
        (C)   OPERATING SYSTEM: MS DOS version 6.2,
                               Windows version 3.11
        (D)   SOFTWARE: Word for Windows version 2.0 converted to
                               an ASCI file
    (vi) CURRENT APPLICATION DATA:
        (A)   APPLICATION NUMBER:
        (B)   FILING DATE:
        (C)   CLASSIFICATION:
    (vii) PRIOR APPLICATION DATA:
        (A)   APPLICATION NUMBER:
        (B)   FILING DATE:
    (viii) ATTORNEY/AGENT INFORMATION:
        (A)   NAME: Sheinbein, Sol
        (B)   REGISTRATION NUMBER: 25,457
        (C)   REFERENCE/DOCKET NUMBER: 01/21793
    (ix) TELECOMMUNICATION INFORMATION:
        (A)   TELEPHONE: 972-3-6127676
        (B)   TELEFAX: 972-3-6127575
        (C)   TELEX:

(2)   INFORMATION FOR SEQ ID NO:1:
    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 24
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
GGATCCTTCC AGGCACAGTG TCAC 24

(2)   INFORMATION FOR SEQ ID NO:2:
    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 26
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:2:
GGTACCCACA TGCCTGCTCC CGCGTG 26

(2)   INFORMATION FOR SEQ ID NO:3:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 27
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:3:
GCGGCCGCAC GCCCGCCTGT CCGCAGG 27

(2)   INFORMATION FOR SEQ ID NO:4:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 24
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:4:
GTAGGAGGAA TAGGCGATGC GCGC 24

(2)   INFORMATION FOR SEQ ID NO:5:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 27
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:5:
GGAGCTCTTC TACAGCGTCA CCATGGC 27

(2)   INFORMATION FOR SEQ ID NO:6:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 21
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:6:
CGCACCGCCC CCGGTCGTCG C 21

(2)   INFORMATION FOR SEQ ID NO:7:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 24
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:7:
GGTCCTCGCC CTCTTCCTGA AGCG 24

(2)   INFORMATION FOR SEQ ID NO:8:
        (i)   SEQUENCE CHARACTERISTICS:
                (A)   LENGTH: 25
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single

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            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:8:
CGTAGTAGAC CACCAGGTAG TAGCC 25


(2)     INFORMATION FOR SEQ ID NO:9:
       (i)     SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        23
            (B)     TYPE:          nucleic acid
            (C)     STRANDEDNESS:  single
            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:9:
GCGCATGAAT CCTGGCCCAG GCG 23


(2)     INFORMATION FOR SEQ ID NO:10:
       (i)     SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        25
            (B)     TYPE:          nucleic acid
            (C)     STRANDEDNESS:  single
            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:10:
CGAGGGAATG GCGTACCCAG CAGCG 25


(2)     INFORMATION FOR SEQ ID NO:11:
       (i)    ·SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        24
            (B)     TYPE:          nucleic acid
            (C)     STRANDEDNESS:  single
            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:11:
TCTCAGGCGC CATCACGTCC TTCG 24


(2)     INFORMATION FOR SEQ ID NO:12:
       (i)     SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        24
            (B)     TYPE:          nucleic acid
            (C)     STRANDEDNESS:  single
            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:12:
ACTCACGTGG CGATGGGCAC GAGG 24


(2)     INFORMATION FOR SEQ ID NO:13:
       (i)     SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        24
            (B)     TYPE:          nucleic acid
            (C)     STRANDEDNESS:  single
            (D)     TOPOLOGY:      linear
       (xi)    SEQUENCE DESCRIPTION:  SEQ ID NO:13:
TTGCCGCTTT CAGATTGCAT CTTC 24


(2)     INFORMATION FOR SEQ ID NO:14:
       (i)     SEQUENCE CHARACTERISTICS:
            (A)     LENGTH:        22
            (B)     TYPE:          nucleic acid
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        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:14:

TGAACCCTTG CGGACCGGGA GG 22

(2)   INFORMATION FOR SEQ ID NO:15:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 23

        (B)   TYPE: nucleic acid

        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:15:

CCTCACCCGG CTTCTCTTTC AG 23

(2)   INFORMATION FOR SEQ ID NO:16:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 24

        (B)   TYPE: nucleic acid

        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:16:

GGAAAGCGGC GGGCTCTGGG CTGG 24

(2)   INFORMATION FOR SEQ ID NO:17:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 23

        (B)   TYPE: nucleic acid

        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:17:

GGACAAGGGC CTCGGAGGCC TGC 23

(2)   INFORMATION FOR SEQ ID NO:18:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 23

        (B)   TYPE: nucleic acid

        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:18:

GGACAGCCAG CTGGGGACAA GTC 23

(2)   INFORMATION FOR SEQ ID NO:19:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 23

        (B)   TYPE: nucleic acid

        (C)   STRANDEDNESS: single

        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:19:

GCAGAGACAG AGCGACCCAT ACC 23

(2)   INFORMATION FOR SEQ ID NO:20:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 22

(B)   TYPE: nucleic acid

(C)   STRANDEDNESS: single

(D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO:20:

GCAAAGTTAC CACAGGGGCG CC   22